



# SPYWOLF

## Security Audit Report



Audit prepared for  
**BabyBNB**

Completed on  
**January 09, 2024**



# KEY RESULTS

|  |            |
|--|------------|
| Cannot mint new tokens                               | Passed     |
| Cannot pause trading (honeypot)                      | Passed     |
| Cannot blacklist an address                          | Passed     |
| Cannot raise taxes over 25%?                         | Not Passed |
| No proxy contract detected                           | Passed     |
| Not required to enable trading                       | Passed     |
| No hidden ownership                                  | Passed     |
| Cannot change the router                             | Passed     |
| No cooldown feature found                            | Passed     |
| Bot protection delay is lower than 5 blocks          | Passed     |
| Cannot set max tx amount below 0.05% of total supply | Passed     |
| The contract cannot be self-destructed by owner      | Passed     |

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

\*Only new deposits/reinvestments can be paused





# OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# BabyBNB



## PROJECT DESCRIPTION

### **According to the website:**

"As a BabyBNB holder, you're in for a treat. Earn Dogecoin rewards with every hold, adding a playful twist to your crypto journey. It's the first of its kind – making us pioneers in combining fun with financial rewards"

**Release Date:** Presale starts in January, 2024

**Category:** Meme token

01



# CONTRACT INFO

Token Name

BabyBNB

Symbol

BabyBNB

Contract Address

0x1448e43c4891386A572825CB16DA7B26A63db933

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Jan 06, 2024

Contract Type

Token with taxes

Total Supply

4,200,000,000,000,000

Status

Not launched

## TAXES

Buy Tax

**5%**

Sell Tax

**5%**

\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

|                         |                            |
|-------------------------|----------------------------|
| Transfer Count          | 5                          |
| Uniq Senders            | 2                          |
| Uniq Receivers          | 3                          |
| Total Amount            | 8400000131823307 BabyBNB   |
| Median Transfer Amount  | 527900008284468.1 BabyBNB  |
| Average Transfer Amount | 1680000026364661.5 BabyBNB |
| First transfer date     | 2024-01-06                 |
| Last transfer date      | 2024-01-08                 |
| Days token transferred  | 2                          |

# SMART CONTRACT STATS

|                       |  |
|-----------------------|--|
| Calls Count           | 16   |
| External calls        | 3  |
| Internal calls        | 13   |
| Transactions count    | 7  |
| Uniq Callers          | 3  |
| Days contract called  | 2  |
| Last transaction time | 2024-01-08 21:24:22 UTC  |
| Created               | 2024-01-06 00:36:48 UTC  |
| Create TX             | 0xe9636b0bc4d98019435aed319ee33870712f38bb881c970e49b28d82d576433e |
| Creator               | 0xfd43519dc5c362d8b61a138d3eefd6c0c7e48505                         |



# FEATURED WALLETS

|                        |  |
|------------------------|--|
| Owner address          | 0xFD43519dC5c362d8B61A138d3EEFd6c0C7E48505 |
| Marketing fee receiver | 0x0b22501Efe3682F56aA9D2fa753a07523115F9E8 |
| LP address             | 0x07fC87E39326922E92Bf967e95189C7d49b0A83C |

# TOP 3 UNLOCKED WALLETS

|       |  |
|-------|--|
| 63.6% | Pinksale's presale address<br>0xb1b0d6f23d874aF7489341b60B0E2206e41e8a8c |
|       |  |
|       |  |





# VULNERABILITY ANALYSIS

| ID      | Title                                |        |
|---------|--------------------------------------|--------|
| SWC-100 | Function Default Visibility          | Passed |
| SWC-101 | Integer Overflow and Underflow       | Passed |
| SWC-102 | Outdated Compiler Version            | Passed |
| SWC-103 | Floating Pragma                      | Passed |
| SWC-104 | Unchecked Call Return Value          | Passed |
| SWC-105 | Unprotected Ether Withdrawal         | Passed |
| SWC-106 | Unprotected SELFDESTRUCT Instruction | Passed |
| SWC-107 | Reentrancy                           | Passed |
| SWC-108 | State Variable Default Visibility    | Passed |
| SWC-109 | Uninitialized Storage Pointer        | Passed |
| SWC-110 | Assert Violation                     | Passed |
| SWC-111 | Use of Deprecated Solidity Functions | Passed |
| SWC-112 | Delegatecall to Untrusted Callee     | Passed |
| SWC-113 | DoS with Failed Call                 | Passed |
| SWC-114 | Transaction Order Dependence         | Passed |
| SWC-115 | Authorization through tx.origin      | Passed |
| SWC-116 | Block values as a proxy for time     | Passed |
| SWC-117 | Signature Malleability               | Passed |
| SWC-118 | Incorrect Constructor Name           | Passed |



# VULNERABILITY ANALYSIS

| ID      | Title   |        |
|---------|---|--------|
| SWC-119 | Shadowing State Variables                               | Passed |
| SWC-120 | Weak Sources of Randomness from Chain Attributes        | Passed |
| SWC-121 | Missing Protection against Signature Replay Attacks     | Passed |
| SWC-122 | Lack of Proper Signature Verification                   | Passed |
| SWC-123 | Requirement Violation                                   | Passed |
| SWC-124 | Write to Arbitrary Storage Location                     | Passed |
| SWC-125 | Incorrect Inheritance Order                             | Passed |
| SWC-126 | Insufficient Gas Griefing                               | Passed |
| SWC-127 | Arbitrary Jump with Function Type Variable              | Passed |
| SWC-128 | DoS With Block Gas Limit                                | Passed |
| SWC-129 | Typographical Error                                     | Passed |
| SWC-130 | Right-To-Left-Override control character (U+202E)       | Passed |
| SWC-131 | Presence of unused variables                            | Passed |
| SWC-132 | Unexpected Ether balance                                | Passed |
| SWC-133 | Hash Collisions With Multiple Variable Length Arguments | Passed |
| SWC-134 | Message call with hardcoded gas amount                  | Passed |
| SWC-135 | Code With No Effects                                    | Passed |
| SWC-136 | Unencrypted Private Data On-Chain                       | Passed |



# VULNERABILITY ANALYSIS

## NO ERRORS FOUND



# MANUAL CODE REVIEW

---

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

## THREAT LEVELS

### High Risk

---

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

### Medium Risk

---

Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

### Low Risk

---

Issues on this level are minor details and warning that can remain unfixed.

### Informational

---

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



# FOUND THREATS

## ⚠ Medium Risk

Owner can set buy/sell fees up to 25%.  
Combined buy+sell = 50%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make.  
Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setTokenRewardsFee(uint256 value) external onlyOwner {
    tokenRewardsFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}

function setLiquidityFee(uint256 value) external onlyOwner {
    liquidityFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}

function setMarketingFee(uint256 value) external onlyOwner {
    marketingFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}
```

- Recommendation:
  - Considered as good practice is buy and sell fees combined not to exceed 25%.



# FOUND THREATS

## Informational

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFees(address account) external onlyOwner {
    require(
        !_isExcludedFromFees[account],
        "BABYTOKEN: Account is already excluded"
    );
    _isExcludedFromFees[account] = true;

    emit ExcludeFromFees(account);
}

function excludeMultipleAccountsFromFees(address[] calldata accounts)
    external
    onlyOwner
{
    for (uint256 i = 0; i < accounts.length; i++) {
        _isExcludedFromFees[accounts[i]] = true;
    }

    emit ExcludeMultipleAccountsFromFees(accounts);
}
```



# FOUND THREATS

## Informational

Owner can exclude address from dividends.

```
function excludeFromDividends(address account) external onlyOwner {
    dividendTracker.excludeFromDividends(account);
}

function excludeFromDividends(address account) external onlyOwner {
    require(!excludedFromDividends[account]);
    excludedFromDividends[account] = true;

    _setBalance(account, 0);
    tokenHoldersMap.remove(account);

    emit ExcludeFromDividends(account);
}
```



There is no information about the initial tokens distribution based on the project's whitepaper and/or website.

# TOKENOMICS





### Website URL

<https://babybnbtoken.com/>

### Domain Registry

<https://www.godaddy.com>

### Domain Expiration

2025-01-05

### Technical SEO Test

Passed

### Security Test

Passed. SSL certificate present

### Design

Very nice color scheme and overall layout.

### Content

The information helps new investors understand what the product does right away. No grammar errors found. .

### Whitepaper

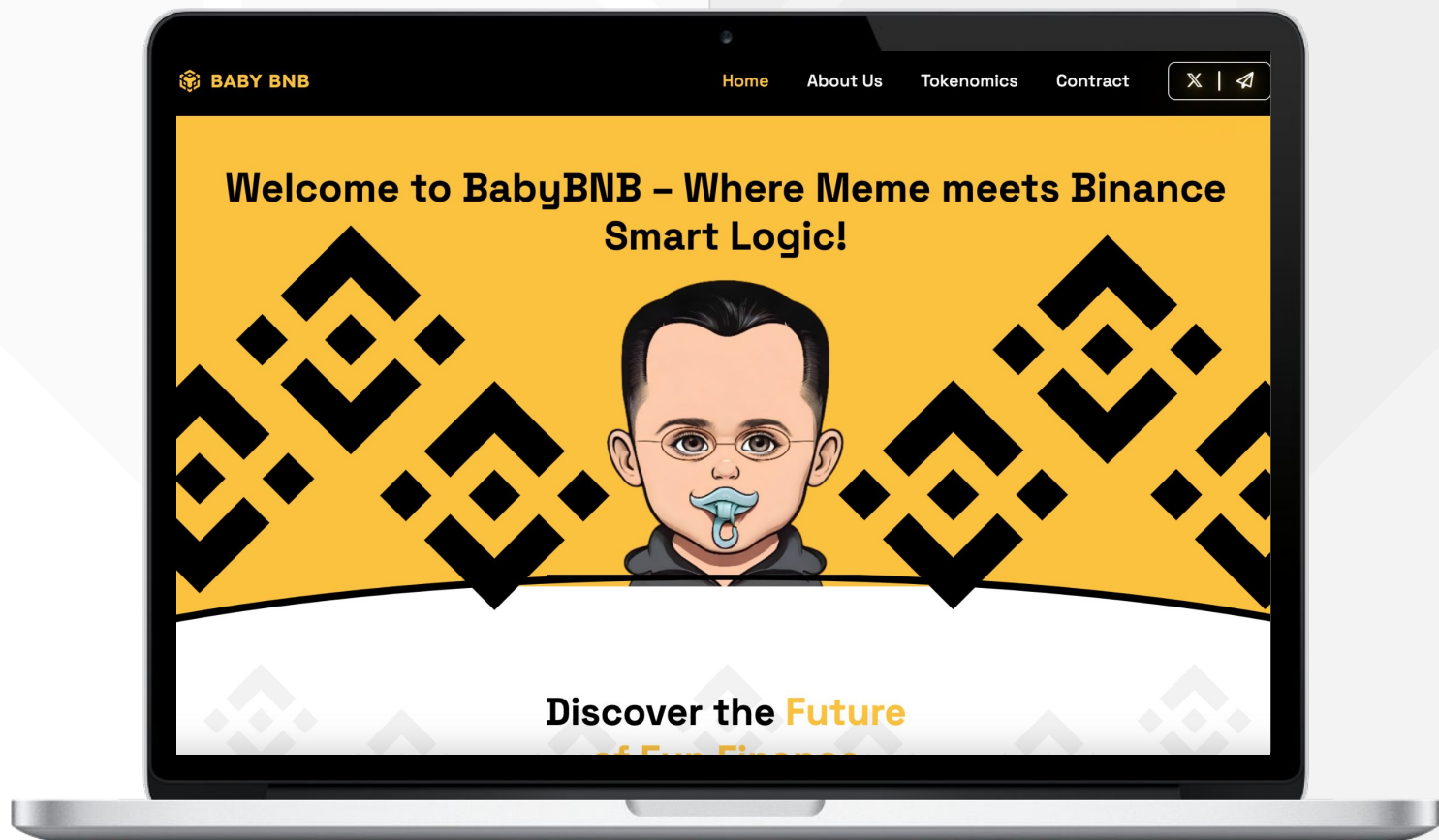
No

### Roadmap

No

### Mobile-friendly?

Yes



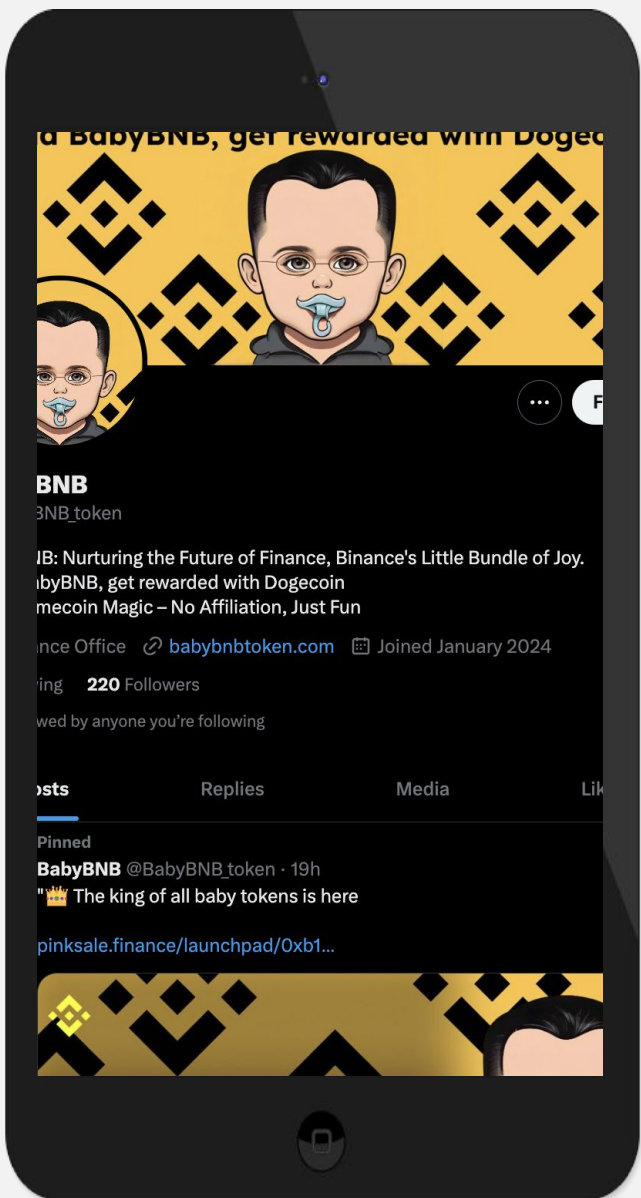
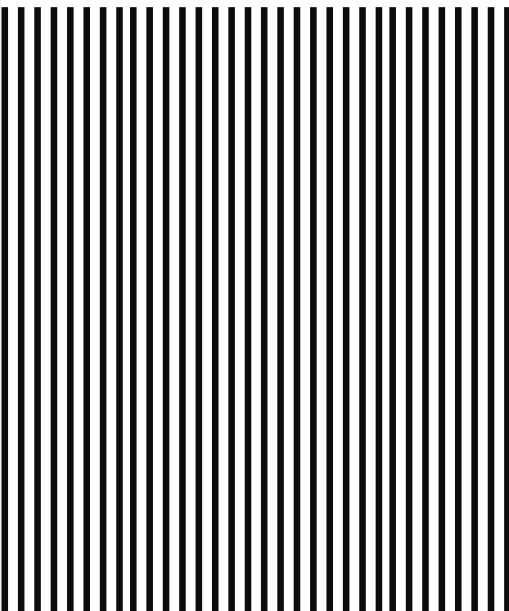
**babybnbtoken.com**



# SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS  
Project’s social media pages are active



Twitter's X

@BabyBNB\_token

- 171 followers
- Active
- Posts frequently



Discord

- Not available



Telegram

@babybnbmemeecoin

- 143 subscribers
- Posts frequently
- Channel



Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 700 SUCCESSFUL CLIENTS
- ✓ MORE THAN 1000 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.

